

DSP and MIXED SIGNAL PROCESSORS

MODEL	MODEL	MODEL	MIPS	CYLCE TIME nsec	CLK IN MHZ	PROGRAM RAM	ROM	DATA RAM	CACHE	SERIAL PORTS	HOST PORT	Vcc +3.3V	TEMPERATURE RANGE			# Pins	PRICE 100's
													0>70	-25/85	-55/125		
FIXED POINT																	
Highest Performance: Concurrent Signal Processing																	
ADSP	21CSP01	200	50	20	25	4Kx24		4Kx16	DMA	2	DMA	NO	K	B		160	\$49.00
ADSP	21CSP11	200	66	15	25	24Kx24		16Kx16	DMA	2	DMA	NO	K	B		160	TBD
ADSP	21CSP11L	200	60	15	30	24Kx24		16Kx16	DMA	2	DMA	YES	K	B		160	TBD
General Purpose																	
ADSP	2101	40	10.24	100	10	2Kx24		1Kx16		2	NO	NO			T	68	\$194.00
ADSP	2101	50	12.5	80	12.5	2Kx24		1Kx16		2	NO	NO			T	68	\$216.00
ADSP	2101	66	16.67	60	16.67	2Kx24		1Kx16		2	NO	NO	K	B		68/80	\$17.30
ADSP	2101	80	20	50	20	2Kx24		1Kx16		2	NO	NO	K	B		68/80	\$20.75
ADSP	2101	100	25	40	25	2Kx24		1Kx16		2	NO	NO	K	B		68/80	\$23.86
ADSP	2103	40	10.24	100	10.24	2Kx24		1Kx16		2	NO	YES	K	B		68/80	\$20.75
ADSP	2105	55	13.84	72	10.24	1/2Kx24		1Kx16		1	NO	NO	K	B		68	\$7.00
ADSP	2105	80	20	50	20	1/2Kx24		1Kx16		1	NO	NO	K	B		68	\$9.90
ADSP	2111	40	10.24	100	10	2Kx24		1Kx16		2	YES	NO			T	100	\$269.00
ADSP	2111	52	13	72	13	2Kx24		1Kx16		2	YES	NO			T	100	\$311.00
ADSP	2111	66	16.67	60	16.67	2Kx24		1Kx16		2	YES	NO	K	B		100	\$43.00
ADSP	2111	80	20	50	20	2Kx24		1Kx16		2	YES	NO	K	B		100	\$50.00
ADSP	2115	80	20	50	20	1Kx24		1/2Kx16		2	NO	NO	K	B		68/80	\$12.00
ADSP	2115	66	16.67	60	16.67	1Kx24		1/2Kx16		2	NO	NO	K	B		68/80	\$12.00
ADSP	2115	100	25	40	40	1Kx24		1/2Kx16		2	NO	NO	K	B		68/80	\$13.80
ADSP	2171	133	33	30	16.67	2Kx24		2Kx16		2	YES	NO	K	B		128	\$35.00
ADSP	2171	104	26	38	13	2Kx24		2Kx16		2	YES	NO	K	B		128	\$31.50
ADSP	2173	80	20	50	10.24	2Kx24		2Kx16		2	YES	YES		B		128	\$36.23
ROM BASED																	
ADSP	2104	80	20	50	20	1/2Kx24		1/4Kx16		2	NO	NO	K			68	\$7.00
ADSP	2104	55	13.84	72	13	1/2Kx24		1/4Kx16		2	NO	YES	KL			68	\$7.00
ADSP	2109	80	20	50	20		4Kx24	1/4Kx16		1	NO	NO	K			68	CF
ADSP	2109	55	13.84	72	13		4Kx24	1/4Kx16		1	NO	YES	LK			68	CF
ADSP	2161	66	16.67	60	16.67		8Kx24	1/2Kx16		2	NO	NO	K	B		68/80	CF
ADSP	2162	40	10.24	100	10.24		8Kx24	1/2Kx16		2	NO	YES	K	B		68/80	CF
ADSP	2163	66	16.67	60	16.67		4Kx24	1/2Kx16		2	NO	NO	K	B		68/80	CF
ADSP	2163	100	25	40	40		4Kx24	1/2Kx16		2	NO	NO	K	B		68/80	CF
ADSP	2164	40	10.24	100	10.24		4Kx24	1/2Kx16		2	NO	YES	K	B		68/80	CF
ADSP	2165	80	20	50	20	1Kx24	12KX24	4Kx16		2	YES	NO	K			68/80	CF
ADSP	2166	66	16.67	60	16.67	1Kx24	12KX24	4Kx16		2	YES	YES	K			68/80	CF
LARGE ON CHIP MEMORY																	

DSP and MIXED SIGNAL PROCESSORS

MODEL	MODEL	MODEL	MIPS	CYLCE TIME	CLK IN	PROGRAM RAM	ROM	DATA RAM	CACHE	SERIAL PORTS	HOST PORT	Vcc +3.3V	TEMPERATURE RANGE			# Pins	PRICE 100's
				nsec	MHZ								0>70	-25/85	-55/125		
ADSP	2181	115	28.8	34.7	14.2	16Kx24		16Kx16		2	DMA	NO	K	B		128	\$36.00
ADSP	2181	133	33	30	16.67	16Kx24		16Kx16		2	DMA	NO	K	B		128	\$45.00
ADSP	2183	115	28.8	34.7	14.2	16Kx24		16Kx16		2	DMA	YES	K	B		128	\$51.23
ADSP	2183	133	33	30	16.67	16Kx24		16Kx16		2	DMA	YES	K	B		128	CF
ADSP	2185	133	33	30	16.67	16Kx24		16Kx16		2	DMA	NO	K	B		100	\$43.00
ADSP	2185	115	28.8	34.7	14.2	16Kx24		16Kx16		2	DMA	NO	K	B		100	\$38.70
ADSP	2185L	133	33	30	16.67	16Kx24		16Kx16		2	DMA	YES	K	LB		100	\$43.00
ADSP	2185L	115	28.8	34.7	14.2	16Kx24		16Kx16		2	DMA	YES	K	LB		100	CF
ADSP	2186L	133	33	30	16.67	8Kx24		8Kx16		2	DMA	YES	K	LB		100	\$26.19
ADSP	2186L	115	28.8	34.7	14.2	8Kx24		8Kx16		2	DMA	YES	K	LB		100	\$26.19
ADSP	2186	133	33	30	16.67	8Kx24		8Kx16		2	DMA	NO	K	B		100	
ADSP	2186	115	28.8	34.7	14.2	8Kx24		8Kx16		2	DMA	NO	K	B		100	\$25.20
FLOATING POINT																	
MODEL	MODEL	MODE	MFLOPS	CYLCE TIME	CLK IN	PROGRAM RAM	ROM	DATA RAM	CACHE	SERIAL PORTS	HOST PORT	Vcc +3.3V	TEMPERATURE RANGE			# Pins	PRICE 100's
				nsec	MHZ								0>70	-25/85	-55/125		
ADSP	21020	133	33	30	33				32X48	2	NO	NO	K			223	\$159.00
ADSP	21020	120	30	33.3	30				32X48	0	NO	NO		B	T	223	\$176.00
ADSP	21020	100	25	40	25				32X48	0	NO	NO	K	B	T	223	\$128.00
ADSP	21020	80	20	50	20				32X48	0	NO	NO	K	B	T	223	\$106.00
Typical Memory Configuration																	
ADSP	21060	133	33	31	33	40Kx48		64Kx32	32X48	2	YES	NO	K	B		240	\$383.00
ADSP	21060	160	40	25	40	40Kx48		64Kx32	32X48	2	YES	NO	K	B		240	\$485.00
ADSP	21062	133	33	31	33	20Kx48		32Kx32	32X48	2	YES	NO	K	B		240	\$207.00
ADSP	21062	160	40	25	40	20Kx48		32Kx32	32X48	2	YES	NO	K	B		240	\$259.00
ADSP	21061	200	50	20	50	10Kx48		16Kx32	32X48	2	YES	NO	K	B		240	
ADSP	21061L	133	33	31	33	10Kx48		16Kx32	32X48	2	YES	YES	K	B		240	
ADSP	21061	133	33	31	33	10Kx48		16Kx32	32X48	2	YES	NO	K	B		240	\$86.00
ADSP	21061	160	40	25	40	10Kx48		16Kx32	32X48	2	YES	NO	K	B		240	\$98.00
Quad ADSP21062																	
AD	14060	133	640	25	40	160Kx48		256Kx32	32X48	5	YES	NO		B	T	308	CF
MIXED SIGNAL PROCESSORS																	
AD20	MSP415	ADSP2171 + GSM FUNCTIONS					See Data Sheet for Specs										
WITH ON BOARD TELCOM CODEC, 16 BITS																	
ADSP	21MSP58	104	26	38	13	2Kx24		2Kx16		2	YES	NO	K	B		100	\$44.00
ADSP	21MSP59	104	26	38	13	2Kx24	4Kx24	2Kx16		2	YES	NO	K	B		100	CF